

S/N unknown

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Chu, et al. Serial No.: unknown
Filed: concurrent herewith Docket No.: 7933.208USU1
Title: SEQUENCING OF PEPTIDES BY MASS SPECTROMETRY

CERTIFICATE UNDER 37 CFR 1.10

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By: 
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Plunkett
9/5/01

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D. C. 20231


Dear Sir:

In connection with the above-identified application filed herewith, please enter the following preliminary amendment in accordance with 37 CFR 1.121, a copy of which is enclosed herewith:

IN THE CLAIMS

Please amend claim 3 as follows:

3. (AMENDED) A method according to claim 1 wherein the oligopeptide comprises from about 3 to about 10 amino acids.

 Please amend claim 4 as follows:

4. (AMENDED) A method according to claim 1 wherein the silver is silver nitrate.

Please amend claim 5 as follows:

5. (AMENDED) A method according to claim 1 wherein the determination of partial sequence comprises searching for, and identifying cleaved amino acid residues based on differences in m/z values of neighboring triplets where the m/z value of the $[b_n - H + Ag]^+$ ion and the corresponding $[y_n + H + Ag]^+$ ion are related by the formula: $[y_n + H + Ag]^+ = [M + Ag]^+ + Ag^+ - [b_n - H + Ag]^+$.